EXPLANATION

Kt

Tuscaloosa Group, undifferentiated

Mainly gravel containing silty sand, scattered clay lenses, and red silt. Yields small quantities of good-quality water to dug wells and springs.

Mb

Bangor Limestone

Limestone, gray, partly oolitic, crystalline, hard. Contains light-gray calcareous beds of shale in lower part. Yields small quantities of water to drilled wells.

Mhc

Hartselle Sandstone, Golconda Formation, and Cypress Sandstone

Hartselle Sandstone: tan, silty, hard; yields small quantity of water. Golconda Formation: olive-gray soft calcareous shale and grayish-brown hard limestone; not known to be an aquifer. Cypress Sandstone: light gray to greenish-gray massive sandstone.

Mgs

Gasper Formation, Bethel Sandstone, and Ste. Genevieve Limestone

Gasper Formation: shale, grayish-green, hard; thin beds of limestone at top and bottom of formation; poor aquifer. Bethel Sandstone: tan to gray, crossbedded, partly silty, asphaltic; poor aquifer. Ste. Genevieve Limestone: light-gray limestone at bottom and olive-green shale at top; yields small quantity of very hard water.

Mt

Tuscumbia Limestone

Limestone, gray, crystalline, hard, contains dark-gray, black, very hard chert as lenses, bands, and nodules; good aquifer; yields as much as 500 gpm to wells; supplies Tuscumbia Spring.

Mfp

Fort Payne Chert

Limestone, gray, crystalline, hard, contains thick beds of white to dark-gray chert; good aquifer; yields of several thousand gpm available from Mfp and Mt combined.

CRETACEOUS

MISSISSIPPIAN

CARBONIFEROUS

T — U. S. Geological Survey test well: Number above line or single number is well number; number below line is altitude of Chattanooga Shale. — M-145 / 175

○ N-14 — Private well

Q M-20 — Spring

⚒ Quarry

38.4° — Strike and dip of bedding

72 — Federal highway

20 — State highway

65 — County highway

PICKWICK RESERVOIR — TENNESSEE RIVER — WILSON RESERVOIR

MISSISSIPPI — T. 2 S. — T. 3 S. — T. 4 S. — T. 5 S. — R. 15 W. — R. 14 W. — R. 13 W. — R. 12 W. — R. 11 W. — R. 10 W. — R. 9 W.

34° 50' — 34° 45' — 34° 40' — 34° 35' — 88° 05' — 88° 00' — 87° 55' — 87° 50' — 87° 45' — 87° 40' — 87° 35' — 87° 30'

Tennessee River — Little Bear Creek — Bear Creek — Cane Creek — Town Creek — Colbert Creek — Spring Creek — Pride Cemetery Branch — Indian Creek — Goose Pond Creek — Big Nance Creek

Gilbert — Barton — Barton School — Pride — Cherokee — Liberty Church — Allsboro — Sheffield — Tuscumbia — Muscle Shoals — Colbert Heights — Littleville — Spring Valley — Spring Valley Station — Leighton — Wilson Dam

FRANKLIN COUNTY — LAWRENCE COUNTY

SCALE 0 2 3 4 miles

APPROXIMATE MEAN DECLINATION 1955

TRUE NORTH — MAGNETIC NORTH

Prepared by
UNITED STATES GEOLOGICAL SURVEY
in cooperation with
COLBERT COUNTY BOARD OF REVENUE
THE CITY OF TUSCUMBIA
and
THE GEOLOGICAL SURVEY OF ALABAMA

Map adapted from Tennessee Valley Authority quadrangle sheets

GEOLOGIC MAP OF COLBERT COUNTY, ALA.

By

G. K. Moore and H. B. Harris

1962

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I-5
Mtp

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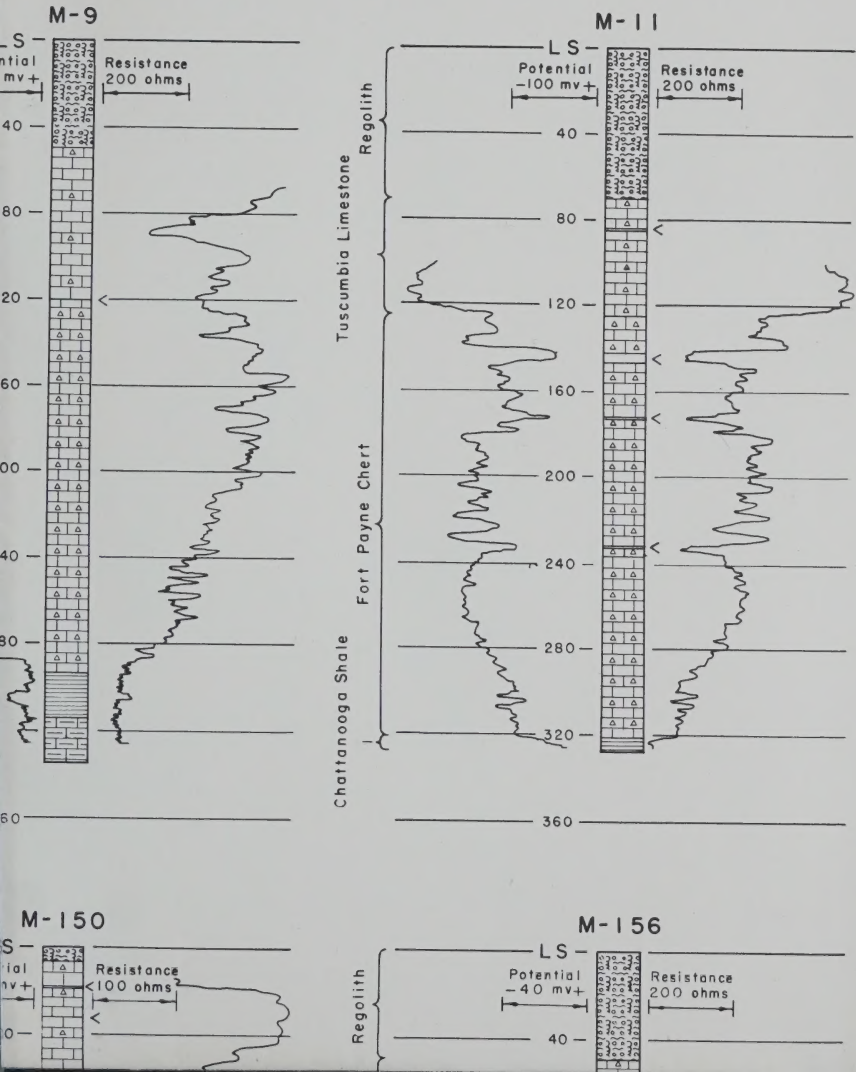

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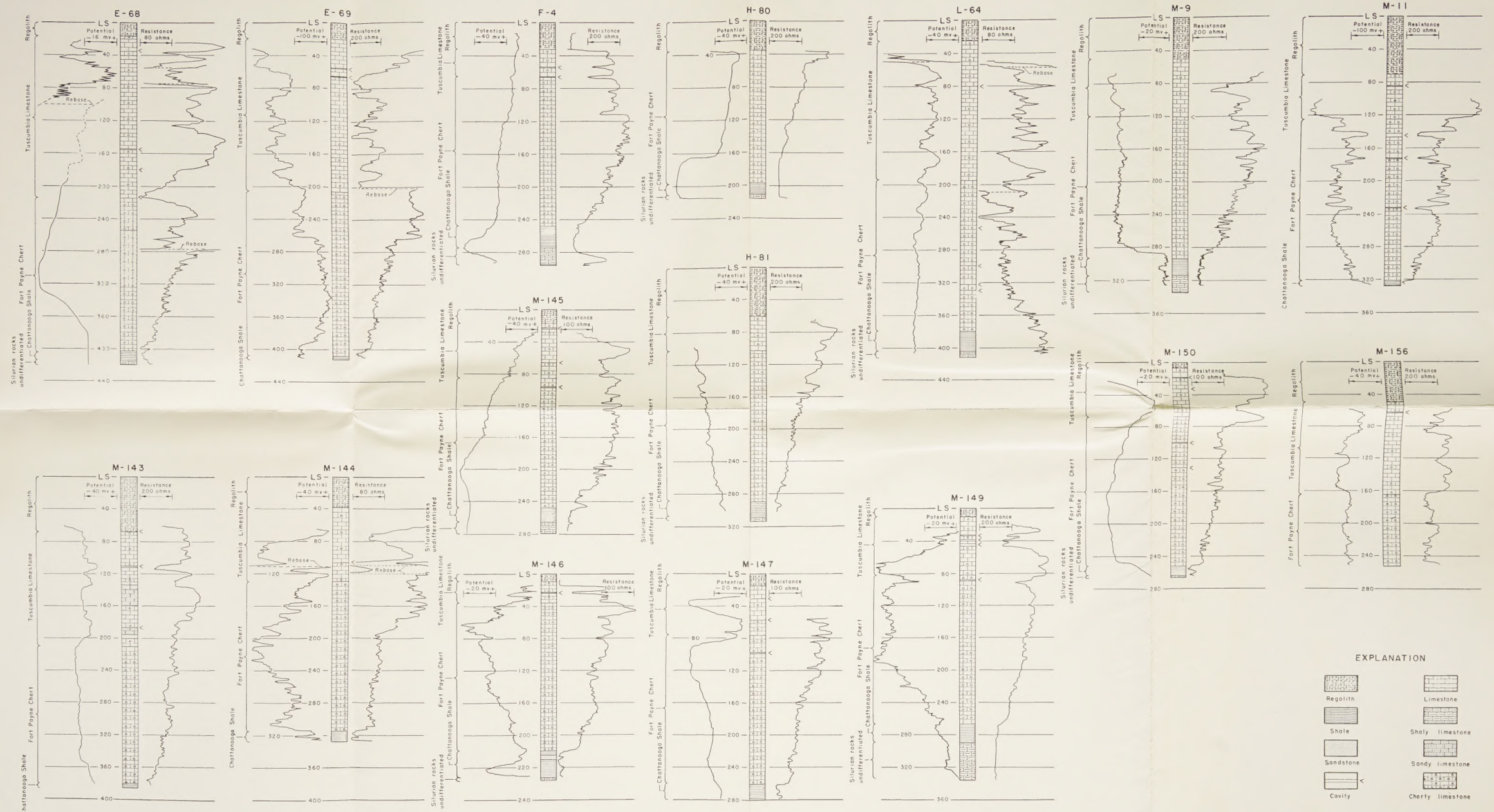
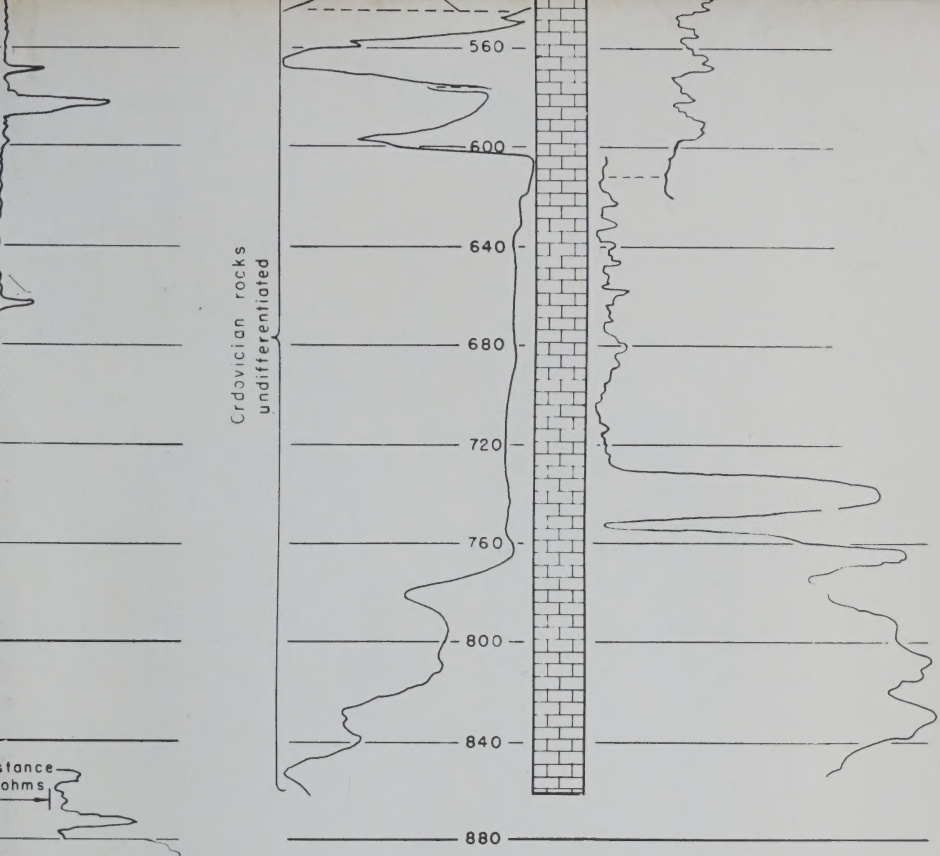


LITHOLOGIC-ELECTRIC LOGS OF TEST WELLS IN COLBERT COUNTY, ALA.



EXPLANATION

Regolith

Shale

Sandstone

Cavity

Clay

Limestone

Shaly limestone

Oolitic limestone

Cherty limestone

Sandy limestone

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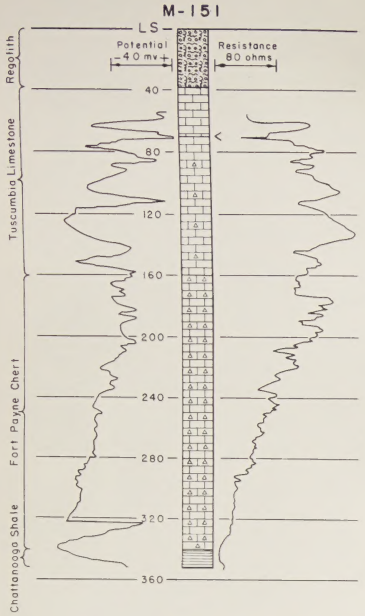
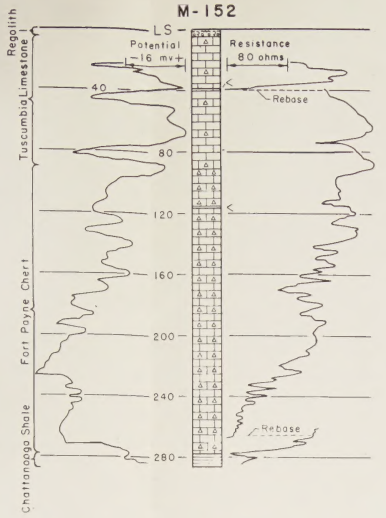
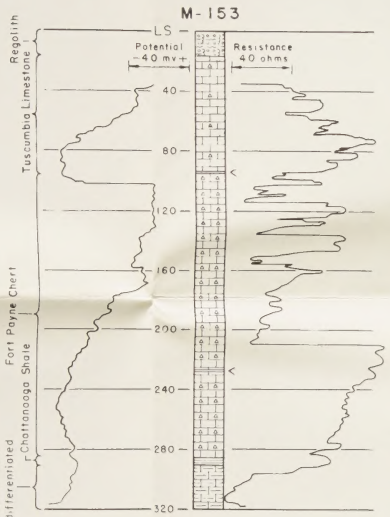
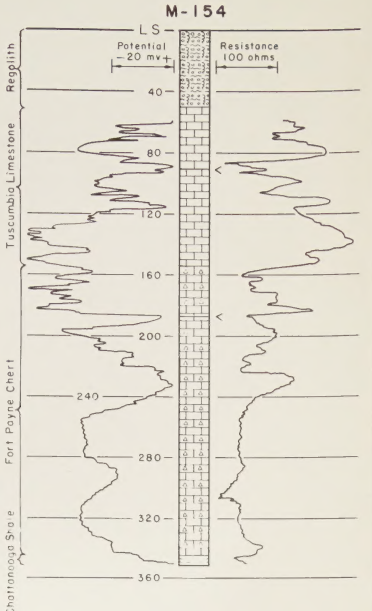
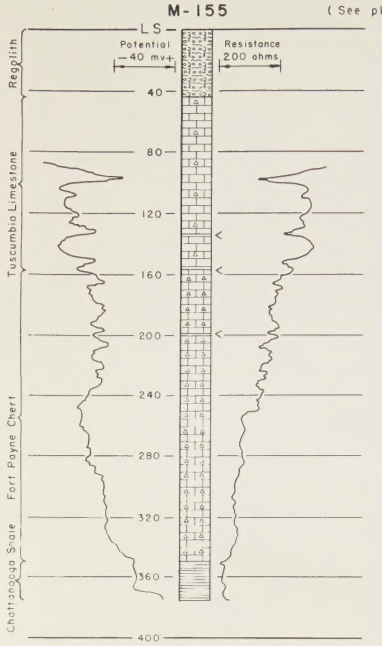


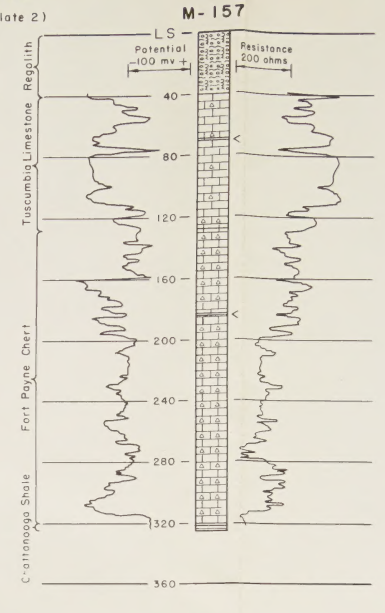


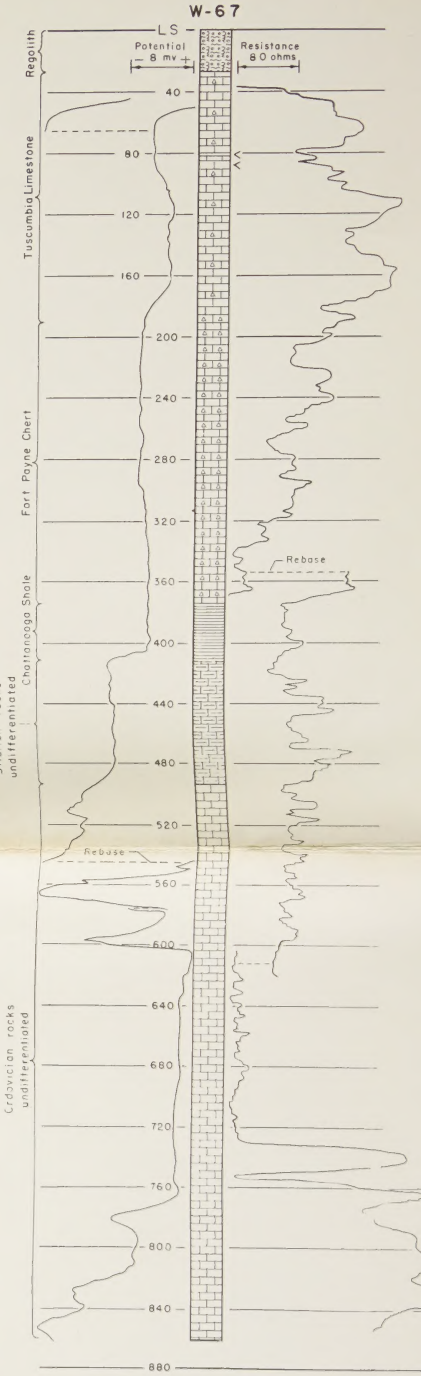


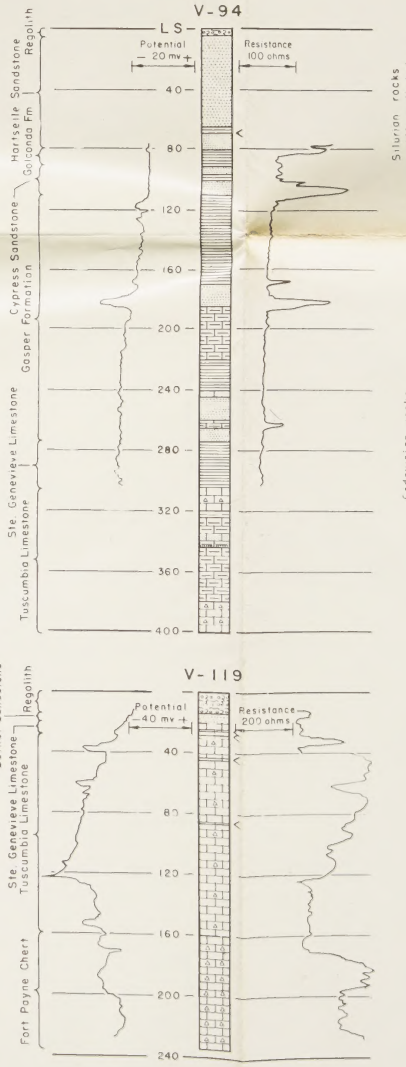


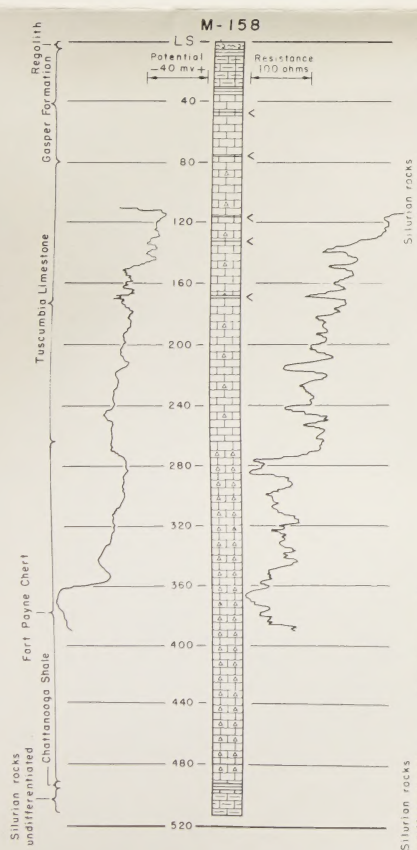


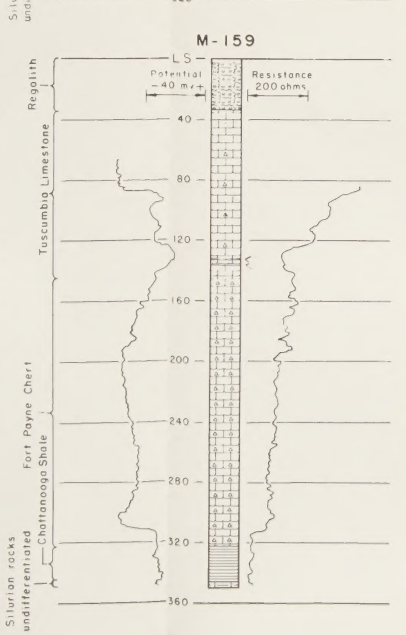
M-156 (See plate 2)

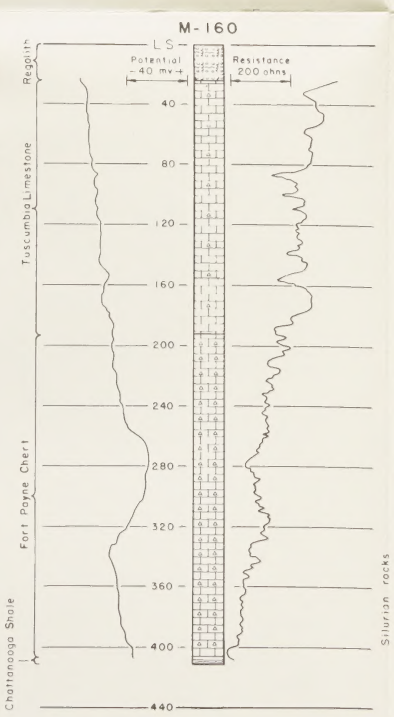


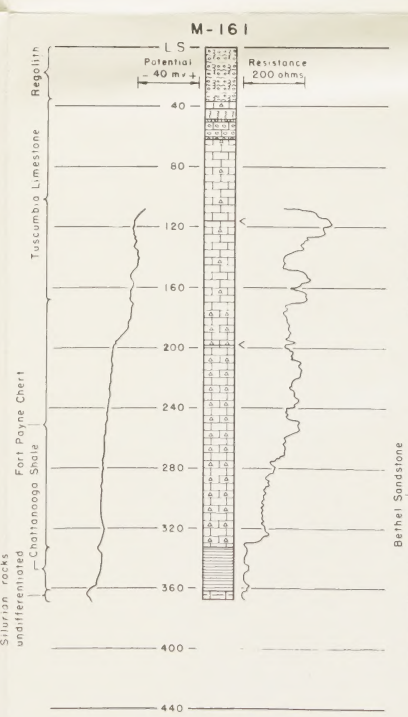












EXPLANATION

Regolith
Limestone
Shale
Shaly limestone
Sandstone
Oolitic limestone
Cavity
Cherty limestone
Clay
Sandy limestone

LITHOLOGIC-ELECTRIC LOGS OF TEST WELLS IN COLBERT COUNTY, ALA.

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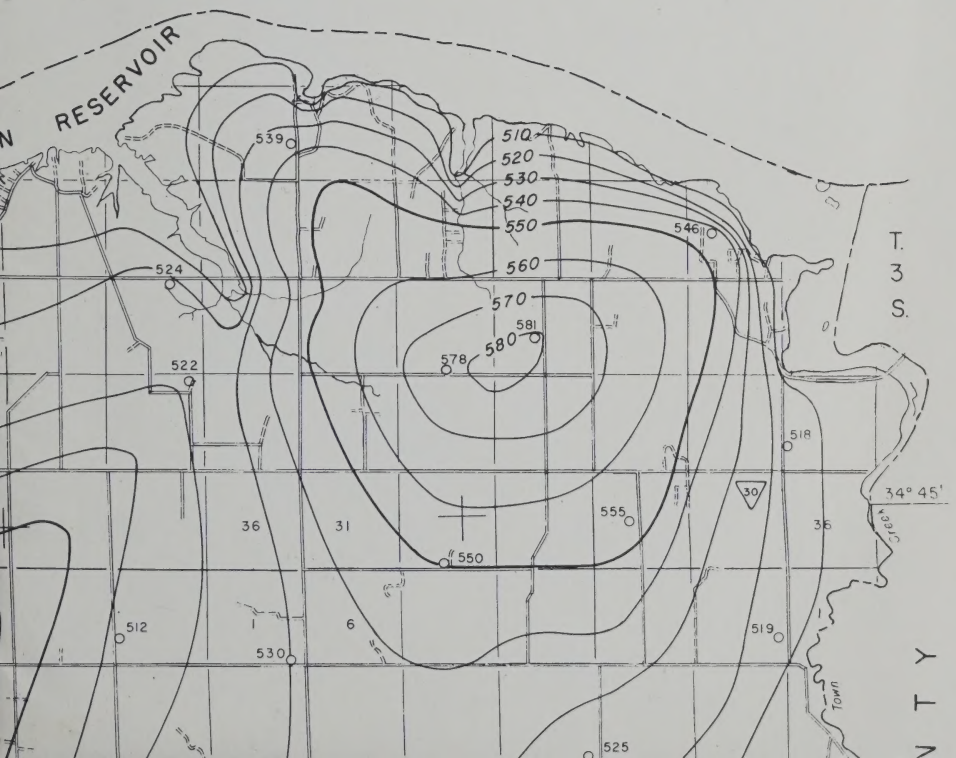
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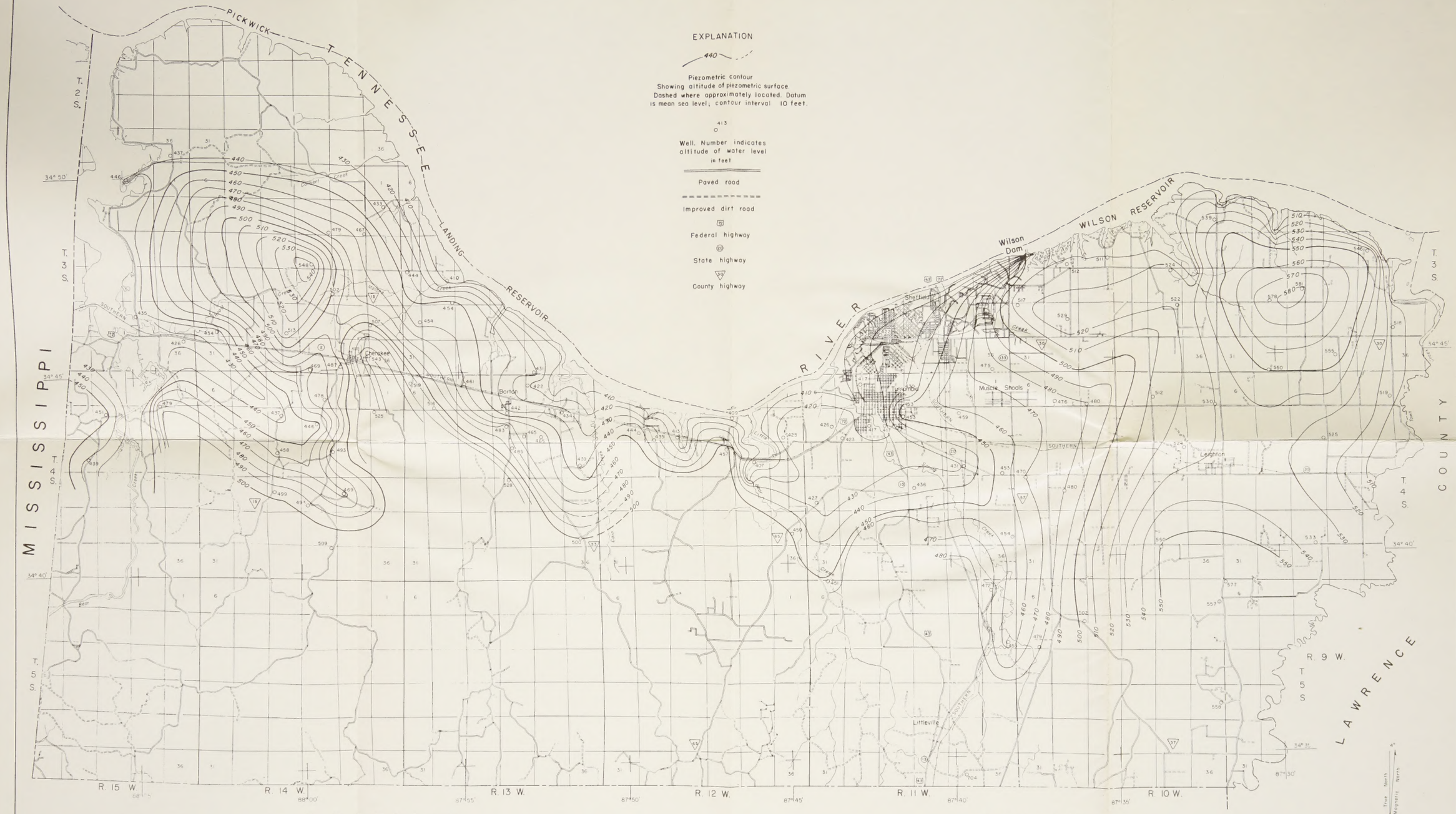

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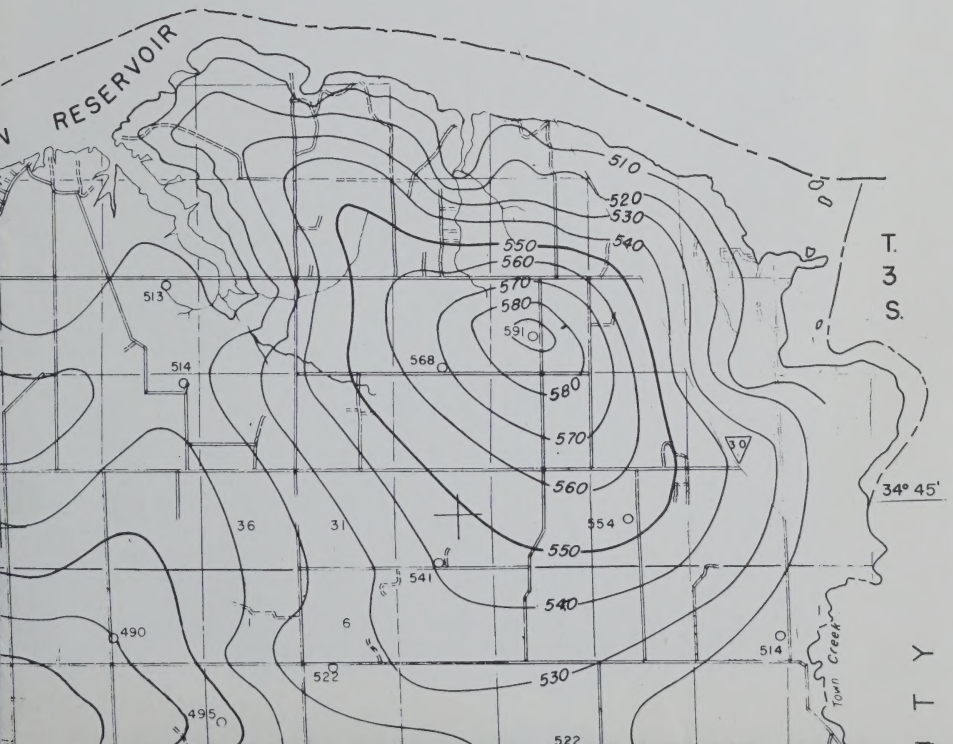
Map adapted from Tennessee
Valley Authority quadrangle sheets

PIEZOMETRIC MAP OF NORTHERN COLBERT COUNTY, ALA., MARCH 10, 1958

APPROXIMATE MEAN
DECLINATION 1955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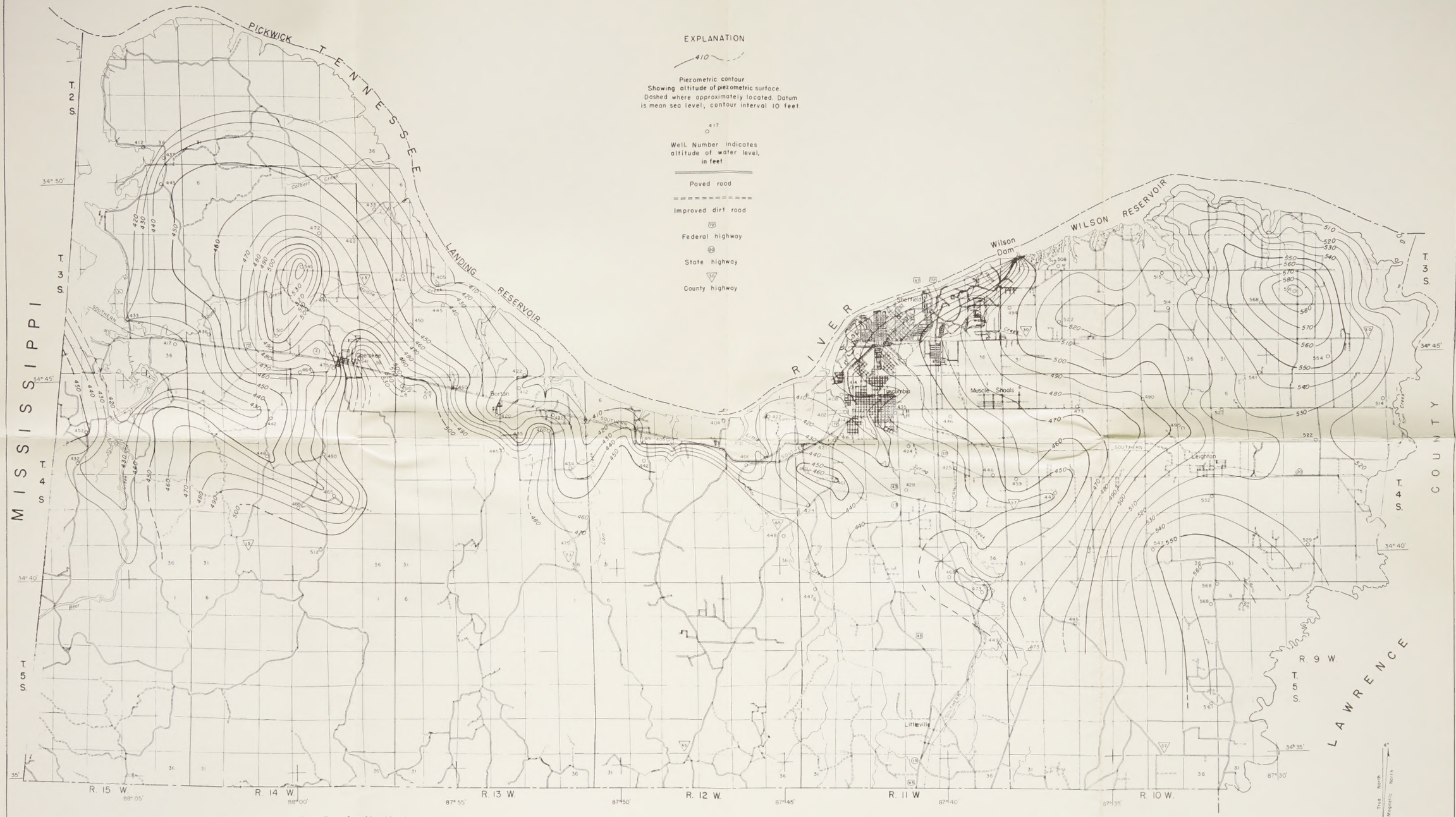
Town Creek



PIEZOMETRIC MAP OF NORTHERN COLBERT COUNTY, ALA., DECEMBER 10, 1958

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Map adapted from Tennessee Valley Authority quadrangle sheets

APPROXIMATE MEAN DECLINATION 1955

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Alcon
no. 10
aug.

EXPLANATION

Thickness in feet

- 0–25
- 25–50
- 50–75
- 75–100
- More than 100

^{50} Number indicates thickness of unconsolidated material determined from well data

^{11A} Number indicates thickness of unconsolidated material determined from power auger data

PICKWICK — TENNESSEE — LANDING — RESERVOIR

WILSON RESERVOIR

TENNESSEE RIVER

Wilson Dam

Sheffield

Tuscumbia

Muscle Shoals

Leighton

Littleville

Cherokee

Barton

Colbert Creek

Bear Creek

Cane Creek

Little Bear Creek

T. 2 S.

T. 3 S.

T. 4 S.

T. 5 S.

34° 50'

34° 45'

34° 40'

34° 35'

R. 15 W. 88° 05'

R. 14 W. 88° 00'

R. 13 W. 87° 55'

R. 12 W. 87° 50'

R. 11 W. 87° 45'

R. 10 W. 87° 40'

R. 9 W. 87° 35'

87° 30'

FRANKLIN COUNTY

LAWRENCE COUNTY

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Map adopted from Tennessee Valley Authority quadrangle sheets

SCALE 0 2 3 miles

TRUE NORTH
MAG. NORTH
APPROXIMATE MEAN DECLINATION 1955

MAP OF COLBERT COUNTY, ALA., SHOWING THICKNESS OF REGOLITH AND TUSCALOOSA GROUP